

DERWENT- 2003-609180

ACC-NO:

DERWENT- 200358

WEEK:

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**TITLE:** Glasses lens glass used in radiative film comprises silica, sodium oxide, potassium oxide, lead oxide, barium oxide and/or strontium oxide, neodymium oxide, ceria, titania and antimony trioxide

**INVENTOR:** YANG, J; YANG, M

**PATENT-ASSIGNEE:** CHANGDAO COUNTY OPTICAL MATERIAL INST[CHANN]

**PRIORITY-DATA:** 2002CN-0153631 (December 3, 2002)

**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CN 1425621 A	June 25, 2003	N/A	000	C03C 004/00

**APPLICATION-DATA:**

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
CN 1425621A	N/A	2002CN-0153631	December 3, 2002

**INT-CL (IPC):** C03C003/108, C03C004/00

**ABSTRACTED-PUB-NO:** CN 1425621A

**BASIC-ABSTRACT:**

NOVELTY - Glass for glasses lens consists of silica 45-55 wt%, boric oxide 5-10 wt%, sodium oxide 6-10 wt%, potassium oxide 7-10 wt%, lead oxide 15-25 wt%, barium oxide and/or strontium oxide 4-8 wt%, neodymium oxide 1-4.5 wt%, ceria 1-3 wt%, titania 0.5-2 wt%, and antimony trioxide 0.5-1.5 wt% as well as optionally calcium oxide 0-1 wt% and zinc oxide 0-4 wt%. It has a smelting point of lower than 1380 deg. C. It has the functions of preventing radiation, preventing ultraviolet rays and preventing vision fatigue, and may be toughened chemically to raise strength. It is especially suitable for use in radiative field.

**CHOSEN-** Dwg.0/0  
**DRAWING:**

**TITLE-** GLASSES LENS GLASS RADIATE FILM COMPRISE SILICA SODIUM

TERMS: OXIDE POTASSIUM OXIDE LEAD OXIDE BARIUM OXIDE STRONTIUM  
OXIDE NEODYMIUM OXIDE CERIA TITANIA ANTIMONY

DERWENT-CLASS: L01

CPI-CODES: L01-A01B; L01-A03C; L01-A03C1; L01-A06C; L01-L05;

SECONDARY-ACC-NO:

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